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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/066,935	02/04/2002	Fouad D. Mehawej	DA-047-US-01	4239
7590 11/17/2004			EXAMINER	
Julie Post			STEPHENS, JACQUELINE F	
H.B. Fuller Company 1200 Willow Lake Blvd.			ART UNIT	PAPER NUMBER
P.O. Box 64683			3761	
St. Paul, MN 55164-0683			DATE MAILED: 11/17/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/066,935	MEHAWEJ, FOUAD D.			
		Examiner	Art Unit			
		Jacqueline F Stephens	3761			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
THE I - Exter after - If the - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR F MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 C SIX (6) MONTHS from the mailing date of this communicati period for reply specified above is less than thirty (30) days period for reply is specified above, the maximum statutory re to reply within the set or extended period for reply will, by reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ION. FR 1.136(a). In no event, however, may a recon. , a reply within the statutory minimum of thirty period will apply and will expire SIX (6) MON statute, cause the application to become AB.	eply be timely filed (30) days will be considered timely. FHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).			
Status						
1)🖂	Responsive to communication(s) filed on	23 August 2004.				
2a) <u></u> □	This action is FINAL . 2b)⊠	This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
5)□ 6)⊠ 7)□	Claim(s) 1-41 is/are pending in the application of the above claim(s) 41 is/are withdred claim(s) is/are allowed. Claim(s) 1-40 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction is	awn from consideration.				
Applicati	on Papers					
10)	The specification is objected to by the Example The drawing(s) filed on is/are: a) Applicant may not request that any objection Replacement drawing sheet(s) including the Country The oath or declaration is objected to by the	accepted or b) objected to be to the drawing(s) be held in abeyan correction is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).			
Priority L	ınder 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
2) Notice 3) Information	t (s) the of References Cited (PTO-892) the of Draftsperson's Patent Drawing Review (PTO-94) mation Disclosure Statement(s) (PTO-1449 or PTO/1449) the No(s)/Mail Date 2/4/02,8/22/03	48) Paper No(s SB/08) 5) ☐ Notice of Ir	nummary (PTO-413) s)/Mail Date nformal Patent Application (PTO-152) Continuation Sheet.			

Continuation of Attachment(s) 6). Other: IDS filed 8/28/03,3/22/04,9/2/04.

DETAILED ACTION

Election/Restrictions

1. Applicant's election of claims 1-38 in the reply filed on 8/23/04 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)). Claim 41 is withdrawn as being directed to a nonelected invention.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-10, 18-20, 26-30, 32-34, 36, 37, and 40 are rejected under 35 U.S.C. 102(b) as being anticipated by Chmielewski USPN 6068620.

As to claims 1-5, 36, 37, and 40 Chmielewski discloses a an absorbent article, such as a disposable diaper, feminine hygiene product, or adult incontinence product (col. 4, lines 55-63) having a core 34 that comprises a composite 340 comprising:

superabsorbent polymer; and a high loft nonwoven web impregnated with the superabsorbent polymer, the composite comprising from 10% by weight to about 90% by weight superabsorbent polymer (col. 8, lines 12-14; col. 11, lines 9-28, 47-67; col.

Application/Control Number: 10/066,935

Art Unit: 3761

14, lines 27-34). The limitation of the superabsorbent polymer having been formed in situ is directed to a process of making the article. "Even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process." In re Thorpe, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985) (citations omitted). MPEP 2113.

As to claims 6-10, Chmielewski discloses a basis weight of the nonwoven web 340 in a range from 50-300 gsm, which is includes the claimed ranges (col. 12, lines 43-50).

As to claims 18-20, see Chmielewski col. 17, lines 30-40.

As to claim 26, Chmielewski discloses the diaper further comprises a topsheet 30, an acquisition layer 344, a cellulose fiber layer 340b, 340c, and an impermeable layer 32.

As to claim 27, Chmielewski discloses the core further comprises cellulose fibers (layer 340c Figure 3 and col. 11, lines 42-44) the diaper further comprising an acquisition layer 344, and the cellulose fiber are disposed between the acquisition layer 344 and the composite 340 (Figure 3).

Application/Control Number: 10/066,935

Art Unit: 3761

As to claim 28, Chmielewski discloses the disposable diaper further comprises an acquisition layer 344 and an impermeable layer 32. The core 34 is disposed between the acquisition layer 344 and the impermeable layer 32 (Figure 3).

As to claim 29, Chmielewski discloses the disposable diaper further comprises a second nonwoven web 30 (col. 5, lines 61-66) and an acquisition layer 344. The acquisition layer 344 is disposed between the core 34 and the second nonwoven web 30 (Figure 3).

As to claims 30 and 32, see Chmielewski col. 1, lines 27-44.

As to claim 33, Chmielewski discloses the superabsorbent polymer is enclosed within a matrix of the high loft web 340a. The web 340a is at least partially enveloped in webs 340c and 340b. Because the web 340a is encased in the tissue layers 340c and 340b, it is reasonable to conclude the SAP would remain in the web when contacted with water and Chmielewski teaches leakage of the SAP is obstructed by the wrapping layers (col. 8, line 65 through col. 9, line 11).

As to claim 34, Chmielewski discloses the core further comprises cellulose fibers 342, the composite 340 is disposed in regions on the cellulose fibers (Figures 2 and 3).

Application/Control Number: 10/066,935 Page 5

Art Unit: 3761

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 5. Claims 11-17, 21-25, 31, and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chmielewski USPN 6068620.

As to claims 11-14 and 38, Chmielewski discloses a an absorbent article, such as a disposable diaper, feminine hygiene product, or adult incontinence product (col. 4, lines 55-63) having a core 34 that comprises a composite 340 comprising:

superabsorbent polymer; and a high loft nonwoven web impregnated with the superabsorbent polymer, the composite comprising from 10% by weight to about 90% by weight superabsorbent polymer (col. 8, lines 12-14; col. 11, lines 9-28, 47-67; col. 14, lines 27-34). The limitation of the superabsorbent polymer having been formed in situ is directed to a process of making the article. "Even though product-by-process claims are limited by and defined by the process, determination of patentability is based on the product itself. The patentability of a product does not depend on its method of production. If the product in the product-by-process claim is the same as or obvious from a product of the prior art, the claim is unpatentable even though the prior product was made by a different process." In re Thorpe, 777 F.2d 695, 698, 227 USPQ 964, 966 (Fed. Cir. 1985) (citations omitted). MPEP 2113.

Art Unit: 3761

Chmielewski discloses the present invention substantially as claimed. However, Chmielewski does not disclose a density in the claimed range. Although Chmielewski does not give the claimed density value, the applicant fails to disclose that a density less than 0.01 g/cm³ is such a critical value or gives unexpected results so to exclude a higher density. In the absence of any new or unexpected results, discovering the optimum or workable ranges involves only routine skill in the art.

As to claims 15-17, Chmielewski teaches the present invention substantially as claimed except Chmielewski does not teach the composite exhibits a saline absorption capacity under a load of 0.3 psi of at least 10-20 g 0.9% saline/g composite. However, Chmielewski an absorbency under a load of 0.5 psi of at least 20 g/g SAP in the composite. The composite has the same properties (liquid absorbency) and is used in the same environment as applicant's outer cover (absorbent articles). Therefore, the general conditions of the claimed invention are present in the prior art. Even though Chmielewski does not disclose the specific test and test results, applicant has not disclosed the claimed absorbency value is critical or more effective at liquid uptake and storage than any other level of absorbency, that may be measured by a different absorbency test. The claims are structural claims and the composite of Chmielewski apart from how it is tested, results in a liquid absorbent structure. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the composite with the claimed absorbency value of the present invention, since where the general conditions of a claim are disclosed in the prior art, it

is not inventive to discover the optimum or workable ranges by routine experimentation, In re Aller et al. 105 USPQ 233.

Page 7

As to claims 21-25, regarding the tensile strength and the examiner's interpretation of the test and performance characteristics of the instant apparatus claims, when the structure recited in the reference is substantially identical to that of the claims of the instant invention, claimed properties or functions are presumed to be inherent (MPEP 2112-2112.01). A prima facie case of either anticipation or obviousness has been established when the reference discloses all the limitations of a claim except a property or function and the examiner can not determine whether or not the reference inherently possesses properties which anticipate or render obvious the claimed invention but has basis for shifting the burden of proof as in In re Fitzgerald, 619 F.2d 67, 70 205 USPQ 594, 596 (CCPA 1980). In the present case, the reference has met the structural requirements of claim 1. Additionally, Chmielewski discloses bonding the fibers within the web to provide for a high wet strength (col. 13, lines 14-19). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the composite with the claimed tensile strength values of the present invention, since where the general conditions of a claim are disclosed in the prior art, it is not inventive to discover the optimum or workable ranges by routine experimentation, In re Aller et al. 105 USPQ 233.

As to claim 31, Chmielewski does not specifically disclose the claimed carboxylic acid monomer. However, it is old and well known in the art, and therefore obvious, to use the claimed carboxylic acids in superabsorbent polymers. For example, Abuto et al. USPN 5788684 discloses maleic anhydride polymers for use as hydrogel polymers (col. 4, line 67 through col. 5, line 11).

6. Claim 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chmielewski in view of Abuto et al. USPN 5788684. Chmielewski discloses the present invention substantially as claimed. However, Chmielewski does not disclose the core comprises a plurality of strips of the composite. Abuto discloses a liquid-absorbing article having discrete areas of superabsorbent for the benefit of allowing room for the superabsorbent to expand and thus, more effectively utilizing the superabsorbent (Abstract and col. 2, lines 9-17). It would have been obvious to one having ordinary skill in the art at the time of the invention to modify the invention of Chmielewski to form the core in a plurality of strips for the benefits disclosed in Abuto.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacqueline F Stephens whose telephone number is (571) 272-4937. The examiner can normally be reached on Monday-Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Larry Schwartz can be reached on (571)272-4390. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Application/Control Number: 10/066,935

Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 3761

Page 9

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Jacqueline F Stephens

Examiner Art Unit 3761

November 10, 2004